MAPS.

GEOLOGY OF OHIO.—VOLUME V.

EDWARD ORTON, STATE GEOLOGIST.

1884.

MAP NO. 1.	Mahoning Valley Coal Field	Scale,	$2\frac{1}{2}$ miles to 1 inch.
" " 2.	Massillon Coal Field	Scale,	3 miles to 1 inch.
" " 3.	Sections from Massillon Coal Field	Scale,	40 feet to 1 inch.
" " 4.	Holmes, Coshocton and Tuscarawas Counties	Scale,	2 miles to 1 inch.
" " 5.	Muskingum and Northern Perry Counties	"	" " " " "
" " 6.	Hocking Valley Coal Field	"	" " " " "
" " 7.	Vinton and Jackson Counties	"	" " " " "
" " 8.	Lawrence, Gallia and Scioto Counties	"	" " " " "

GEOLOGY OF OHIO VOL. V.

EDWARD ORTON CHIEF GEOLOGIST

Map of The

MAHONING VALLEY COAL FIELD

NO. I.

HOWLAND

TRUMBULL COUNTY

WEATHERSFIELD

LIBERTY

VIENNA

BROOKFIELD

HUBBARD

AUSTINTOWN

YOUNGSTOWN

COITSVILLE

MAHONING COUNTY

CANFIELD

BOARDMAN

POLAND

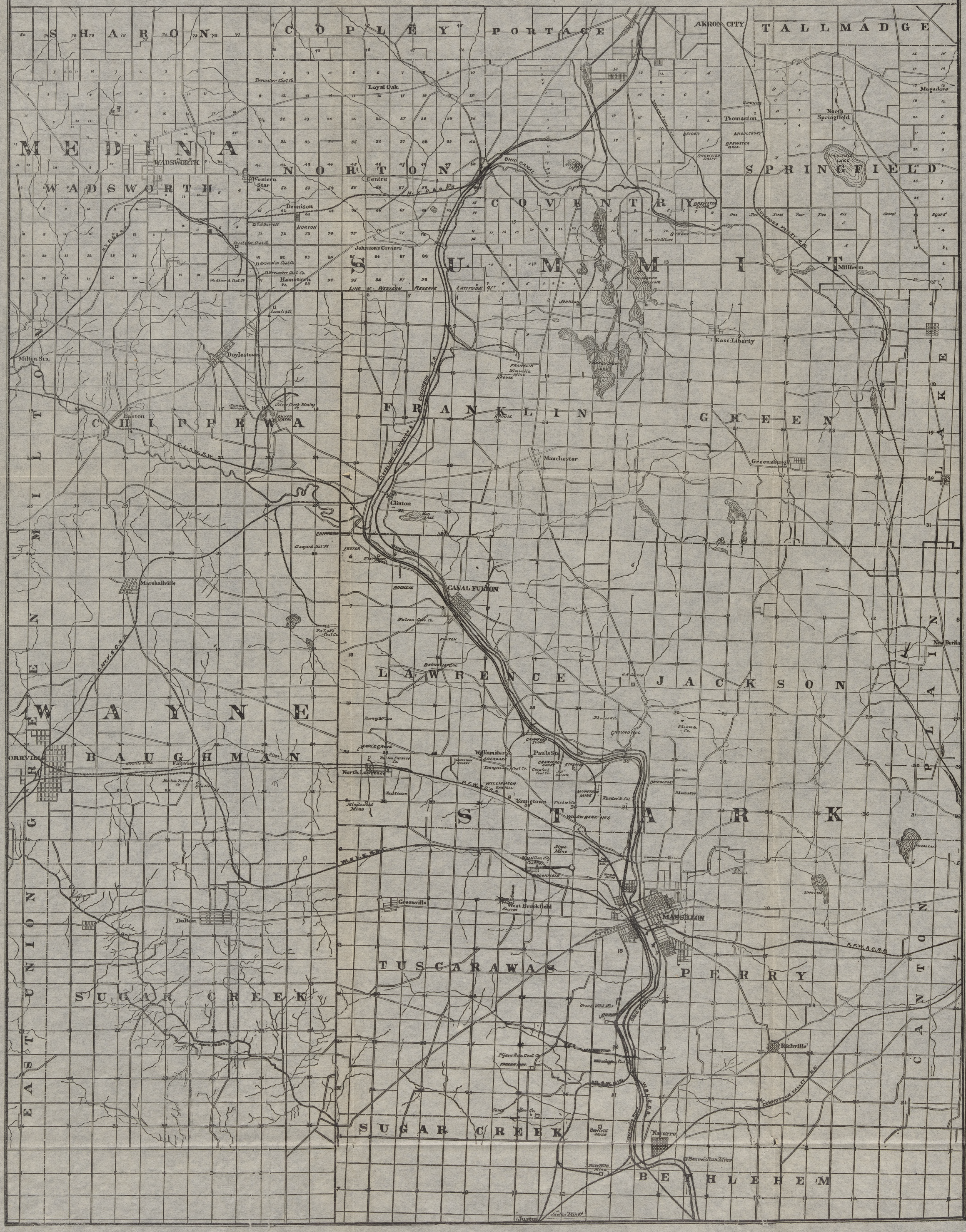
Scale 1 mile = 3/4 inch

GEOLOGY OF OHIO. VOL. 5

Edward Orton, State Geologist.

MASSILLON COAL FIELD

MAP No. 2.



GEOLOGY OF OHIO.

VOLUME V.

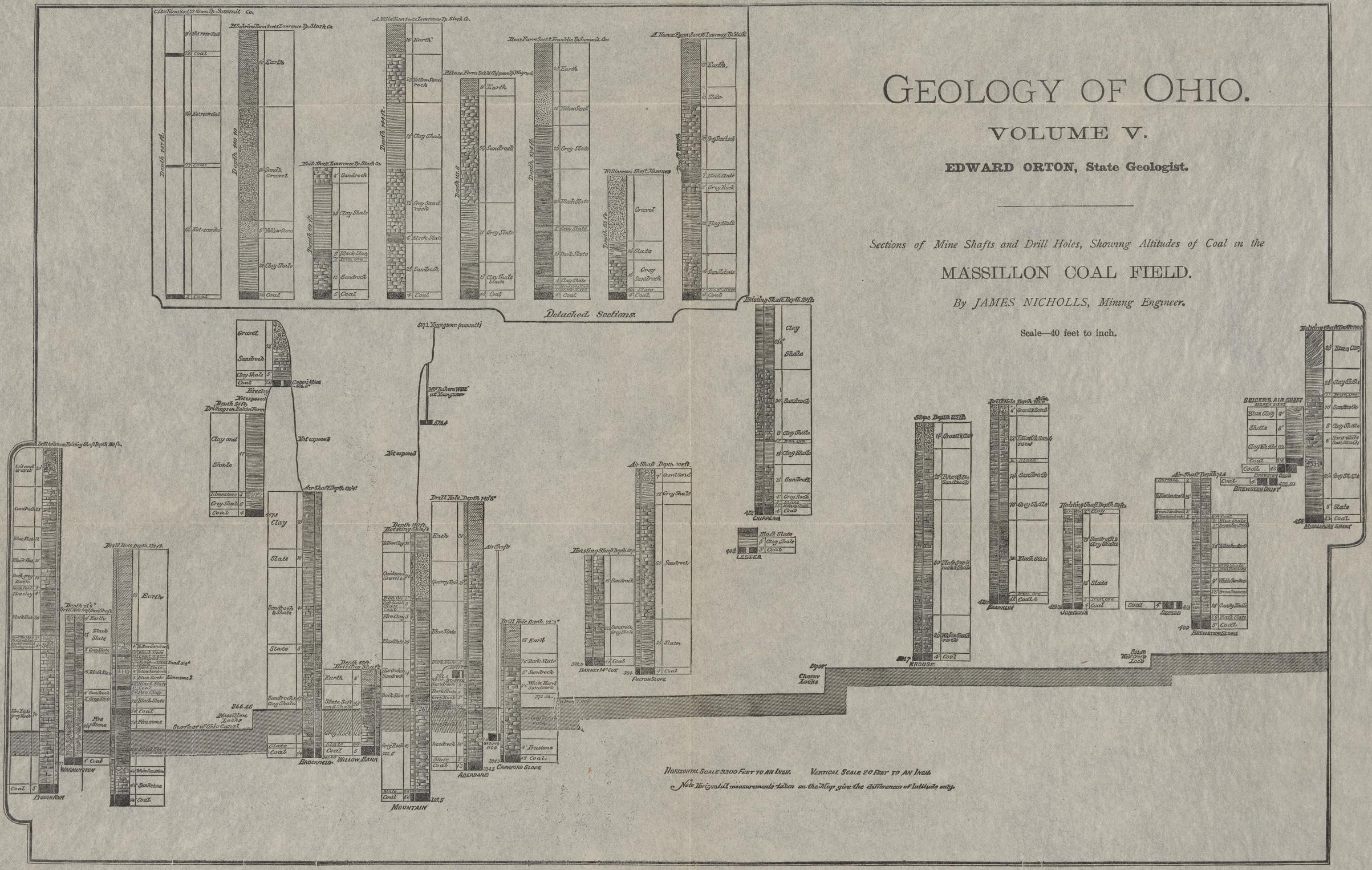
EDWARD ORTON, State Geologist.

Sections of Mine Shafts and Drill Holes, Showing Altitudes of Coal in the

MASSILLON COAL FIELD.

By JAMES NICHOLLS, Mining Engineer.

Scale—40 feet to inch.



GEOLOGY OF OHIO VOL. 5 No. 4.

HOLMES, COSHOCTON, AND TUSCARAWAS COUNTIES

Edward Orton State Geologist.

GEOLOGY OF OHIO · VOL. V. No. 5.
EDWARD ORTON STATE GEOLOGIST.

MAP OF MUSKINGUM COUNTY AND OF LICKING AND PERRY COUNTIES IN PART.

GEOLOGY OF OHIO, VOLUME V.

EDWARD ORTON STATE GEOLOGIST.

MAP OF THE HOCKING VALLEY COAL FIELD,

BASED ON MAPS OF W.H. JENNINGS CHIEF ENGINEER C.H.V.&T.R.R.

XVII XVI XV XIV

RUSH CREEK JACKSON PERRY BEARFIELD

MONDAY CREEK GOOSE PLEASANT VALLEY

MARION FALLS GREEN HOCKING TRIMBLE

WASHINGTON SALEM ATHENS

VINTON BROWN WATERLOO

Wolftown, Factory City, Clarksville, Crossenville, Geneva, Middletown, Dixon, Whipps Town, Mooresfield, Oakfield, Porters, Rush Creek, Breeden, West Branch, Rush Creek, Crockets Run, Coal, Hocking River, Columbus & Straitsville Canal, Logan, Craft, Greendale, Sandy Run, Carbondale, Lee, Monday, Ovobston, Trimble, Ewing, Boundary, Scotts, Hopewell, New Cadiz, Junior, Clark Run, Bloomingburg, Stark, Bairds, Maville, Winona, Gore, Orbiston, Gore R.R., Straitsville, Middle Creek, Buckeye, Millertown, Corning, Pennie, Shawnee, Mineral Ridge, Mineral City, Rock Camp Run, Floodwood, Salina, Sugar Creek, Athens, Athens R.R., Cincinnati, Marsnfield, Bloomingburg, New Mt. Pleasant, Swan, New Plymouth, Fork of Raccoon, Hope Station, Macksburg, Coal Measures, Boundary, Brushy Fork, Kenny Grove, Rowey, West Branch, Sandy Run, Middle Fork, Waterloo, Carbondale, Arnold, Porters, Corning, Millfield, Trimble, Ewing, Monday, Lee, Buckeye, Millertown, Floodwood, Salina, Athens, Sugar Creek, Mineral City, Rock Camp Run, Middle Fork, Waterloo,

GEOLOGY OF OHIO, VOL. V, Edward Orton, State Geologist.

No 7.

MAP OF VINTON AND JACKSON COUNTIES

AND

GALLIA COUNTY, IN PART.

Scale: Two Miles = 1 Inch.

Symbols:

▲ *Blast Furnaces,*

△ „ „ *Abandoned,*

◠ *Coal Mines.*

XVII XVI XV XIV XVIII XIX XX

12 SWAN 11 BROWN 10 MADISON 10 KNOX 10

10 EAGLE 10 JACKSON 10 ELK 10 CLINTON 9 VINTON

9 HARRISON 9 RICHLAND 9 MILTON 9 WILKESVILLE

8 JACKSON 8 WASHINGTON 8 BLOOMFIELD 8 HUNTINGTON

7 LIBERTY 7 SALT LICK 7 MADISON 7 RACCOON

6 SCIOTO 6 FRANKLIN 6 HAMILTON 5 JEFFERSON 5

NEW M^t PLEASANT · NEW PLYMOUTH · LOCUST GROVE · HOPE FCE. · HOPE FCE. STA. · INGHAM STA. · MOONVILLE STA. · COALMONT · ZALESKI FCE. · ZALESKI · EAGLE MILLS · ALLENSVILLE · RADCLIFFBURG · McARTHUR · PRATTS VILLE · VINTON STA. · VINTON FCE. · McARTHUR JUNCTION · DUNDAS · RAYSVILLE · RICHLAND FCE. · ELLSWORTH · HAMDEN FCE. · HAMDEN · AIKEN'S MILL · EAGLE FCE. · RADCLIFF · LINCOLN FCE. · SWIFTSVILLE · WELLSTON · WELLSTON FCE. · MILTON FCE. · CORSTON · WELLSTON COAL FIELD · WILKESVILLE · MIDDLETON · BERLIN · YOUNG AMERICA FCE. · LATROBE FCE. · BUCKEYE FCE. · PETREA · TROPIC · DIAMOND FCE. · ORANGE FCE. · ERIE · FULTON FCE. · HURON FCE. · JACKSON · SIMPSON · COVE · PATTONSVILLE · KEYSTONE FCE. · NILES · EWINGTON · WINCHESTER · KEYSTONE STA. · PETERSBURG · CAMBRIA P.O. · IRWIN STA. · VEJA · LIMESTONE FCE. · GRAHAMSVILLE · MADISON FCE. · VAUGHN STA. · CLAY P.O. · CROSS ROADS STA. · MABEES P.O. · JEFFERSON FCE. · OAK HILL · MONROE FCE. · MONROE FCE. P.O. · SAMSONVILLE P.O. · JACKSON FCE. · CAMBRIA FCE. · WALES · CENTREVILLE · HARRISBURG · RIO GRANDE · ADAMSVILLE · VINTON

AREAS OCCUPIED BY LOWER COAL MEASURES

AREAS OCCUPIED BY FERRIFEROUS LIMESTONE ABOVE DRAINAGE

RANGE NUMBERS XIX

TOWNSHIP NUMBERS 10

SECTION NUMBERS 27

COUNTY LINES

TOWNSHIP LINES

THE STROBRIDGE LITHOGRAPHING CO. CINCINNATI.

DRAWN BY EDWARD BOGGS, COLUMBUS, O. 1884.

GEOLOGY OF OHIO, VOL. V. Edward Orton, State Geologist.

No. 8

MAP OF LAWRENCE COUNTY AND OF SCIOTO AND GALLIA COUNTIES IN PART.

AREAS OCCUPIED BY LOWER COAL MEASURES

AREAS OCCUPIED BY FERRIFEROUS OR GRAY LIMESTONE AND LIMESTONE ORE

DIRECTION OF DIP E.S.E.

BLAST FURNACES ▲

COAL MINES

RANGE NUMBERS XX XIX XVIII XVII XVI XV

TOWNSHIP NUMBERS 1 2 3 4 5 6

SECTION NUMBERS 22

COUNTY LINES

TOWNSHIP LINES

WEST LINE OF OHIO COMPANY'S PURCHASE.

SCALE OF MILES. 0 1 2 3 4 5

Drawn by J.N. Bradford, Columbus, O.

THE STROBRIDGE LITHOGRAPHING CO. CINCINNATI.